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a semiconductor substrate;

an interlayer insulating film located on the semiconductor substrate;

wirings located on the interlayer insulating film; and

a passivation film covering the surface of the interlayer insulating film and the wirings, including a first insulating film that is a modified spin-on-glass (SOG) film formed by implanting boron impurity into an organic SOG film.

PE3>

31. A semiconductor device comprising:

a semiconductor substrate;

an interlayer insulating film located on the semiconductor substrate;

wirings located on the interlayer insulating film; and

a passivation film covering the surface of the interlayer insulating film and the wirings, including a first insulating film that is a modified spin-on-glass (SOG) film formed by implanting boron impurity into an inorganic SOG film.